

IN THE CLAIM

Please amend claim 1, newly add claims 21 and 22, and delete claims 10 through 20 without disclaiming its subject matter to read as follows:

1 1. (Currently Amended) A process for quantitating a human DNA in a sample, said
2 process comprising the steps of:

3 providing a sample to be analyzed;

4 amplifying predetermined genomic DNA containing an *Alu* element by using primers,
5 said *Alu* element being ~~present-only~~ enriched in the human genome compared to non-human
6 primates genomes; and

7 quantitating the human DNA by comparing the amplified DNA with a reference.

1 2. (Original) The process of claim 1, wherein the amplification step comprises inter-*Alu*
2 polymerase chain reaction amplification.

1 3. (Original) The process of claim 2, wherein the amplification step comprises a
2 polymerase chain reaction with the primers containing the following sequences:

3 5' GATCGCGCCACTGCACTCC 3' (SEQ ID NO: 1)

4 and

5 5' GGATTACAGGCGTGAGCCAC 3' (SEQ ID NO: 2).

1 4. (Original) The process of claim 1, wherein the amplification step comprises intra-*Alu*
2 polymerase chain reaction amplification.

1 5. (Original) The process of claim 4, wherein the amplification is a polymerase chain
2 reaction with the primers containing the following sequences:

3 5' CGAGGCGGGTGGATCATGAGGT 3'(SEQ ID NO: 3)

4 and

5 5' TCTGTCGCCCAGGCCGGACT 3' (SEQ ID NO: 4).

1 6. (Original) The process of claim 4, wherein the amplification is a polymerase chain
2 reaction with the primers containing the following sequences:

3 5' GAGATCGAGACCACGGTGAAA 3' (SEQ ID NO: 5)

4 and

5 5' TTTGAGACGGAGTCTCGTT 3' (SEQ ID NO: 6).

1 7. (Original) The process of claim 1, wherein the quantitation step comprises the step of
2 detecting the human DNA on an agarose gel stained with ethidium bromide.

1 8. (Original) The process of claim 1, wherein the quantitation step comprises the step of
2 detecting the human DNA by using a qPCR system.

1 9. (Original) The process of claim 1, wherein the quantitation step comprises the step of
2 detecting the human DNA by using *Taq*Man chemistry.

1 10. (Canceled)

1 11. (Canceled)

1 12. (Canceled)

1 13. (Canceled)

1 14. (Canceled)

1 15. (Canceled)

1 16. (Canceled)

1 17. (Canceled)

1 18. (Canceled)

1 19. (Canceled)

1 20. (Canceled)

1 21. (New) A process for quantitating a human DNA in a sample, said process comprising
2 the steps of:

3 providing a sample to be analyzed;

4 amplifying predetermined genomic DNA containing an *Alu* element by using primers,
5 said *Alu* element being present only in the human genome; and

6 quantitating the human DNA by comparing the amplified DNA with a reference.

1 22. (New) A process for quantitating a human DNA in a sample, said process comprising
2 the steps of:

3 providing a sample to be analyzed;

4 amplifying predetermined genomic DNA containing an young *Alu* element by using
5 primers, said young *Alu* element being largely absent from non-human primates; and

6 quantitating the human DNA by comparing the amplified DNA with a reference.